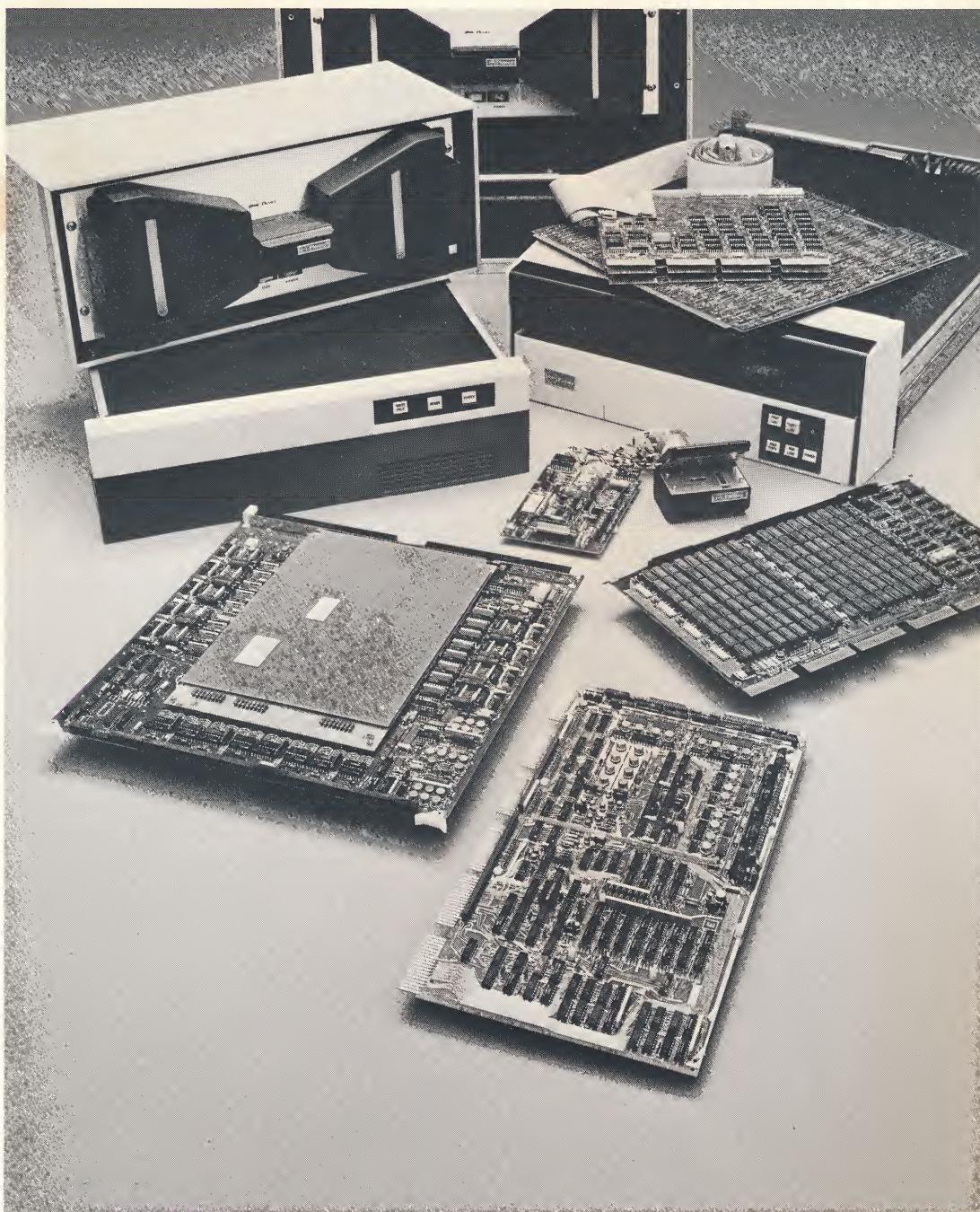


COKE FOR 11s with Memory Mapping, up to 128K;
32K on a card.

Nov 76

DISK FOR 11: controller for RK05; up to 20 megabytes.

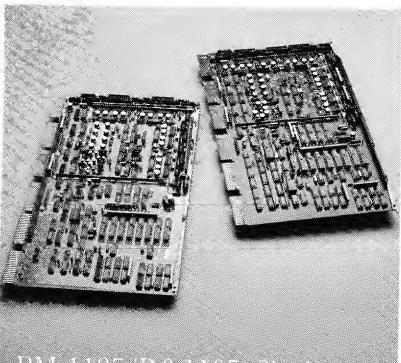
THE MINI EXPANDERS



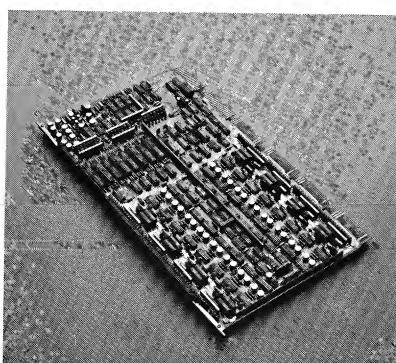
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Plessey Microsystems

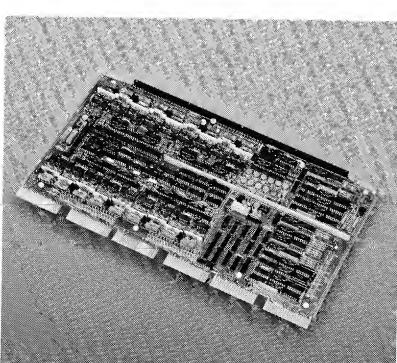




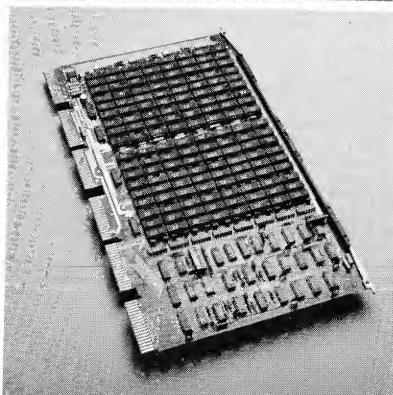
PM-1105/P & 1105: 8k plug-in modules, with and without parity* (DEC equivalents: MM11LP & MM11)



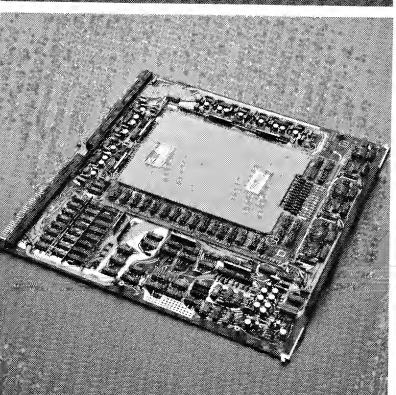
PM-1116: 16k plug-in module* (DEC equivalent: MM11L)



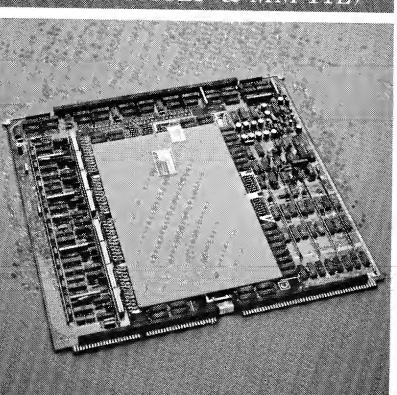
PM-1132/P & 1132: 32k plug-in modules, with and without parity* (DEC equivalents: MM11LP & MM11)



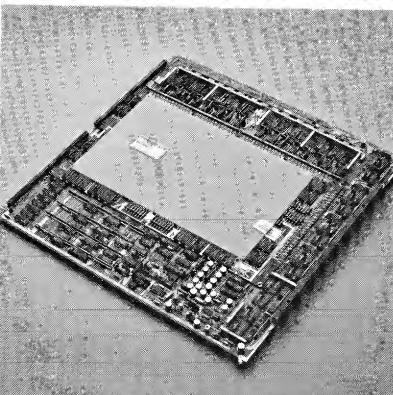
PM-SH32: 32k plug-in module* (DEC equivalent: MS11-EP, FP, JP)



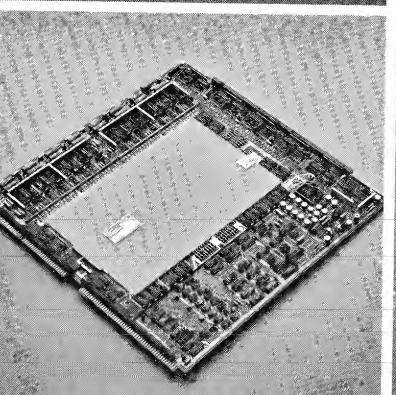
PM-1200: 8k plug-in module (DGC equivalent: 8121)



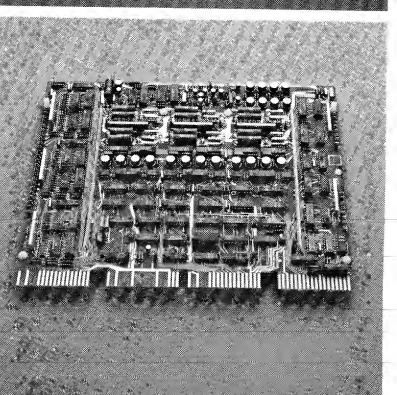
PM-1216: 16k plug-in module (DGC equivalent: 8117)



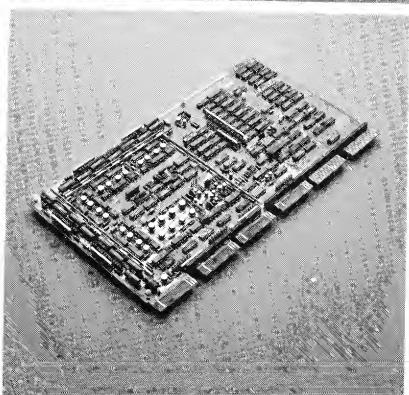
PM-816: 16k plug-in module (DGC 8k equivalent: 8269)



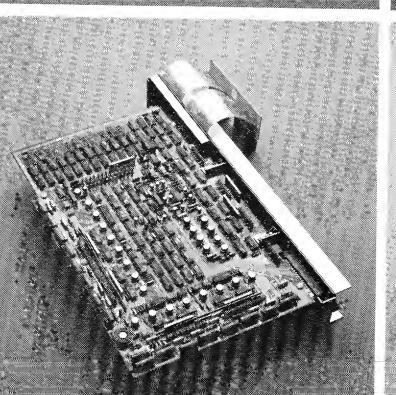
PM-216: 16k plug-in module (DGC equivalent: 8302)



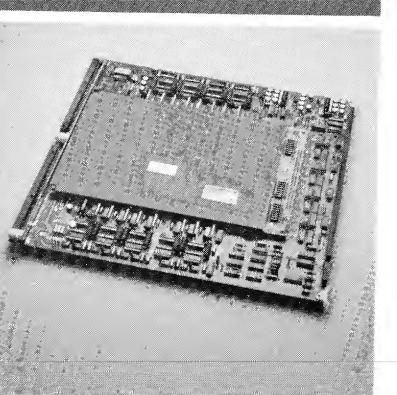
PM-80: 8k plug-in module (DEC equivalent: MM8EJ)



PM-1115: 8k plug-in module (DEC equivalent: MM15)



PM-1100: 8k plug-in module (DEC equivalent: MM11EX)

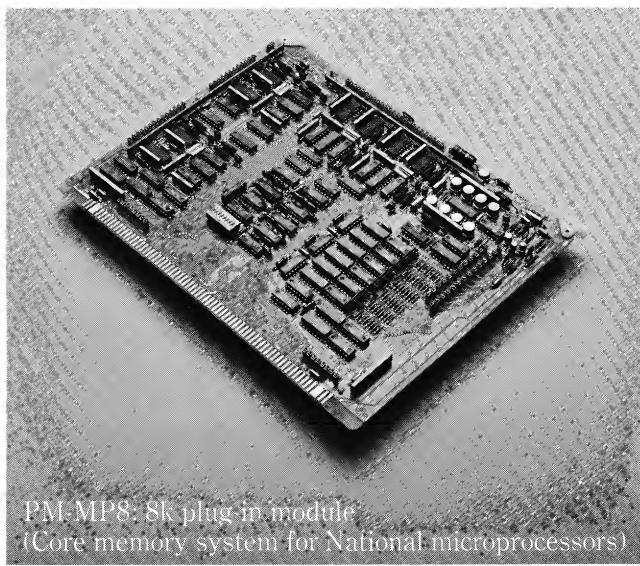


PM-716: 32KB plug-in module (Interdata equivalent: M-70, 71, 73 & 74 Series)

*Can be installed in minicomputers using DEC MM11U, MM11UP memories by using Plessey PM-F11, PM-F11/P or PM-F11/SPC memory backplanes.

FOR MICROPROCESSORS, TOO

And if you have a National microprocessor, we have something for you, too: our PM-MP8 Card Memory and PM-MP8C Memory



PM-MP8: 8k plug-in module
(Core memory system for National microprocessors)

Control Card. It can be used as an 8k-by-16-bit or 16k-by-8-bit memory with your IMP-8, -16 or PACE microprocessors. Because it's non-volatile core, it can be used as a RAM and a PROM to significantly reduce the cost of microprocessor system development, prototyping and production.

AND MEMORY MANAGEMENT

Besides lower cost memories, we can give your mini the freedom of expanding beyond its standard 32k word limit.

Our memory management or memory switch cards are fully compatible with your mini and just plug in to give you the low cost, reliable storage you need for your large data base or longer program applications.

YOUR MINI	OUR MEMORY	AND WHY
DEC PDP-11, 11/10, 11/35, 11/40, 11/45	PM-1105: 8k plug-in card PM-1105/P: 8k plug-in card PM-1116: 16k plug-in card PM-1132: 32k plug-in card PM-1132/P: 32k plug-in card	Occupies only two connector positions, absolutely compatible, off-the shelf for less than the DEC equivalent. Similar to PM-1105 with parity, may be interleaved in parity or non-parity configuration. Occupies only two connector positions, absolutely compatible, off-the-shelf for less than the DEC equivalent. Occupies only two connector positions, plug-in compatible core memory, very low cost per bit. Similar to PM-1132, includes and additional two bits for parity.
PDP-11/04, 11/05, 11/10, 11/34, 11/35, 11/40, 11/45	PM-S1132; 32k plug-in card	Semiconductor version of PM-1132, available in parity and non-parity, plug-in compatible with DEC MS11-EP, FP and JP memory modules.
DGC NOVA-1200, 1210, 1220, 1230 and DCC-116-875	PM-1200: 8k plug-in card PM-1216: 16k plug-in card	Improved drive circuits, full compatibility, off-the-shelf for less than the DGC equivalent. Improved drive circuits, full compatibility, off-the-shelf for less than the DGC equivalent.
DGC NOVA-800, 820, 830, 840	PM-816: 16k plug-in card	Occupies only one connector position, full compatibility, off-the-shelf for less than the DGC equivalent.
DGC NOVA-2/4, 2/10	PM-216: 16k plug-in card	Faster (800 nS) and less expensive than the DGC equivalent, full compatibility, off-the-shelf.
DEC PDP-8/E, 8/F, 8/M	PM-80: 8k plug-in card	Occupies only two connector positions (DEC equivalent is 8k in three slots), absolutely compatible, off-the-shelf.
DEC PDP-15	PM-1115: 8k plug-in card	Occupies only one slot, plug-compatible with DEC MM15 memory module.
DEC PDP-11/15, 11/20	PM-1100: 8k plug-in card	Absolutely compatible and off-the-shelf for less than the DEC equivalent.
INTERDATA 6/16, 7/16, 7/32, 8/32, 50, 70	PM-716: 32KB plug-in card	Directly interchangeable with Interdata memory at a big cost saving. Available in parity or non-parity configuration.
National IMP-8, 16, and PACE microprocessors	PM-MP8: Plug-in card	8k-by-16-bit or 16k-by-8-bit organization, non-volatile core storage that can be used as a RAM and a PROM.

STRETCH YOUR MINI

The Plessey PM-11D/PM-11A Memory Management and Stack Limit Cards provide complete memory management and protection for up to 128k words of storage with your PDP-11/35 or 11/40.

A direct, less expensive replacement for the DEC KT11-D option, the Plessey PM-11D/PM-11A is fully hardware and software compatible with DEC equipment. It plugs directly into a prewired slot in your minicomputer mainframe and may be used with Plessey PM-1105, PM-1105/P, PM-1116, PM-1132 and PM-1132/P card memories or any memory system compatible with the PDP-11/35 or 11/40 cpu. Kernel and User mode operation and stack limiting are standard features.

Our PM-11MS Memory Segmentation Card can be used to extend the memory capacity of your PDP-11/05, 11/10 and 11/20 class computers from 28k to 124k words.

If you're a NOVA 800 or 1200 user, we

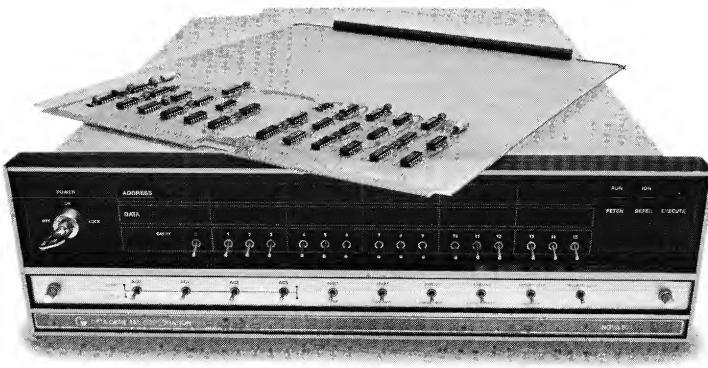
can expand your memory capacity, too. All the way up to 256k words with the Plessey PM-8/12MX Memory Switch. Contact your local Plessey office for all the details.

MAKING IT EASIER

Once you go beyond the standard capacity of your mini, you'll need support equipment. And we've got everything you'll need:

PM-1150/4 Expander Chassis: A general purpose add-on chassis suitable for memories and controllers for all DEC PDP-11 processors. Provides space for up to 6 single systems unit backplanes or 3 double systems unit backplanes and includes power supplies, UNIBUS* cable and forced air cooling for each installed module. Available with Plessey-supplied backplanes suitable for installing Plessey memory, disc controllers, paper tape controllers, etc.

PM-1150/2 Expander Chassis: Accommodates up to 80k of Plessey 16k PM-1116 memory or up to 128k of Plessey PM-1132



memory in 5½" H by 19" W rack space. Complete with air filter, housing and a UNIBUS cable. The UNIBUS may be continued to other equipment or terminated with a Plessey *PM-930 Terminator Card*.

PM-1150/2P Expander Chassis: Similar to above, but accommodates up to 32k of PM-1105/P Parity Memory or 128k of PM-1132/P Parity Memory.

PM-F11 Backplane: Accommodates any combination of Plessey PM-1105, -1116, -1132 and/or DEC MM11L memory systems. Mounts in PDP-11/05, 11/35, 11/40 and 11/45 mainframes or either Plessey Expander Chassis. Equivalent to the DEC MF11L double system unit.

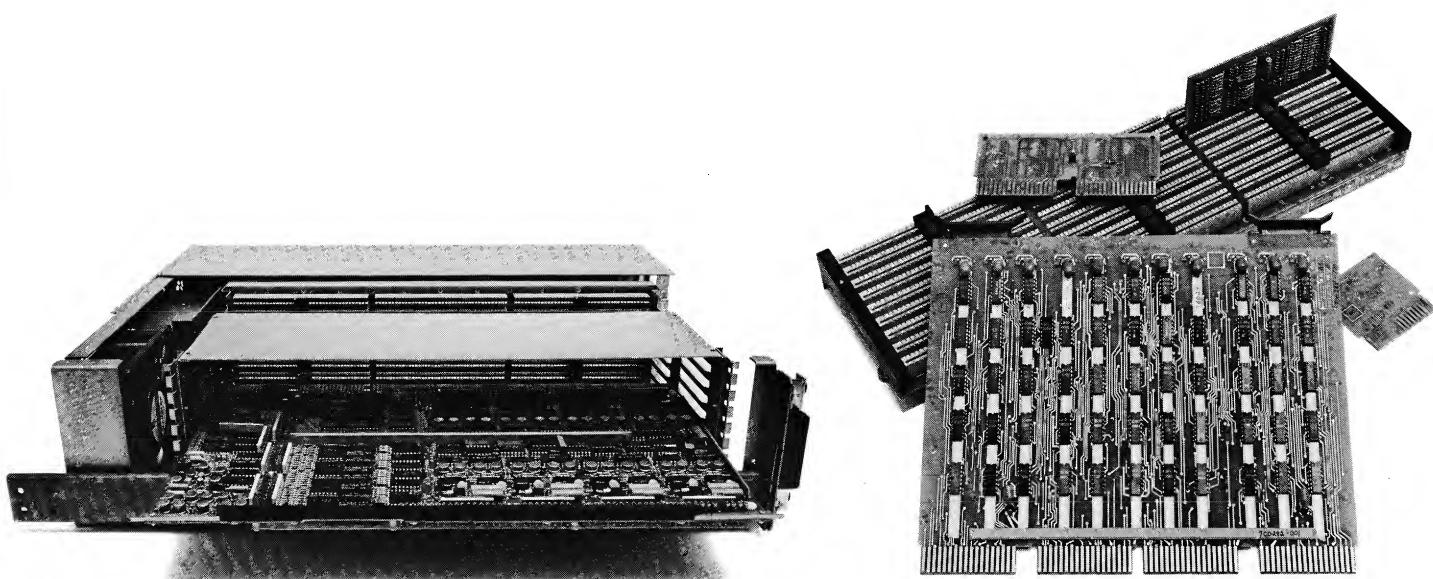
PM-F11/P Backplane: Mounts in PDP-11 Series mainframes or in a Plessey Expander Chassis. Accommodates up to 128k of Plessey PM-1132/P Parity Memory using one Plessey *PM-7259 Parity Controller* with each backplane. Also accepts parity or non-parity memory for use as a standard memory when the PM-7259 Parity Controller is replaced by the Plessey *PM-930A Continuity Card*.

PM-F11/SPC Backplane: Double system unit which accepts Plessey memory or Small Peripheral Controllers for use in DEC PDP-11 computers. Accommodates Plessey 8k PM-1105, 16k PM-1116 or 32k PM-1132 memory. Mounts in PDP-11 Series mainframe or the Plessey PM-1150/4 Expander Chassis. Unoccupied slots require a Plessey *PM-G727 Bus Grant Continuity Card*.

PM-F11/SPC-1 Backplane: Single system unit similar to above.

PM-837 Memory Extension/Timeshare Card: Required to expand the PDP-8/E, 8/F and 8/M above 4k words. Compatible with the DEC M837 module. Provides extended addressing and timeshare capability.

*UNIBUS is a registered trademark of Digital Equipment Corporation.



OUR DISC SYSTEM: MUCH MORE FOR MUCH LESS

Now you can afford to expand your DEC and Data General minicomputer capabilities to include multi-programming and time sharing, on-line data entry and data communications,

data base management and information retrieval with the Plessey PM-DS Disc System.

The Plessey Disc System consists of a powerful controller and a new high-performance disc drive.

The PM-DC Disc Controller plugs right into your mainframe and operates up to eight

YOUR MINI	OUR CONTROLLER	AND OUR DRIVES
Any PDP-11	PM-DC/11: controls up to 20 megabytes of storage in any combination of Plessey PM-DD/11 and/or DEC RKO5. Compatible, not only at controller level, but at board level.	PM-DD/11 disc drives: Fully compatible and available with fixed or removable media in capacities of 2.5, 5 and 10 megabytes.
PDP-8/A, E, F, M	PM-DC/8: controls up to 13 megabytes of storage in any combination of Plessey PM-DD/8 and/or DEC RKO5 drives.	PM-DD/8 disc drives: Fully compatible and available with fixed or removable media in capacities of 3.25, 6.5 and 13 megabytes.
Any NOVA or DCC-116 Series	PM-DC/12: controls 10 or 40 megabytes of storage in any combination of Plessey PM-DD/12 and/or Data General drives.	PM-DD/12 disc drives: Fully compatible and available with fixed or removable media in capacities of 2.5, 5 and 10 megabytes.
Any PDP-11	PM-DC/1114: controls up to 327 megabytes of storage in any combination of Plessey PM-DD/1114 and/or DEC RPO3 drives.	PM-DD/1114 disc drives: Fully compatible with DEC RPO3 and available with 20 surface 2316 industry standard disc packs, 40 megabytes per pack.



Plessey PM-DD Disc Drives with a total capacity up to 327 megabytes for the PDP-11 or 10 megabytes for the other minicomputers listed. Discs from Plessey, or the original minicomputer manufacturers can be intermixed with no penalties up to these maximum capacities.

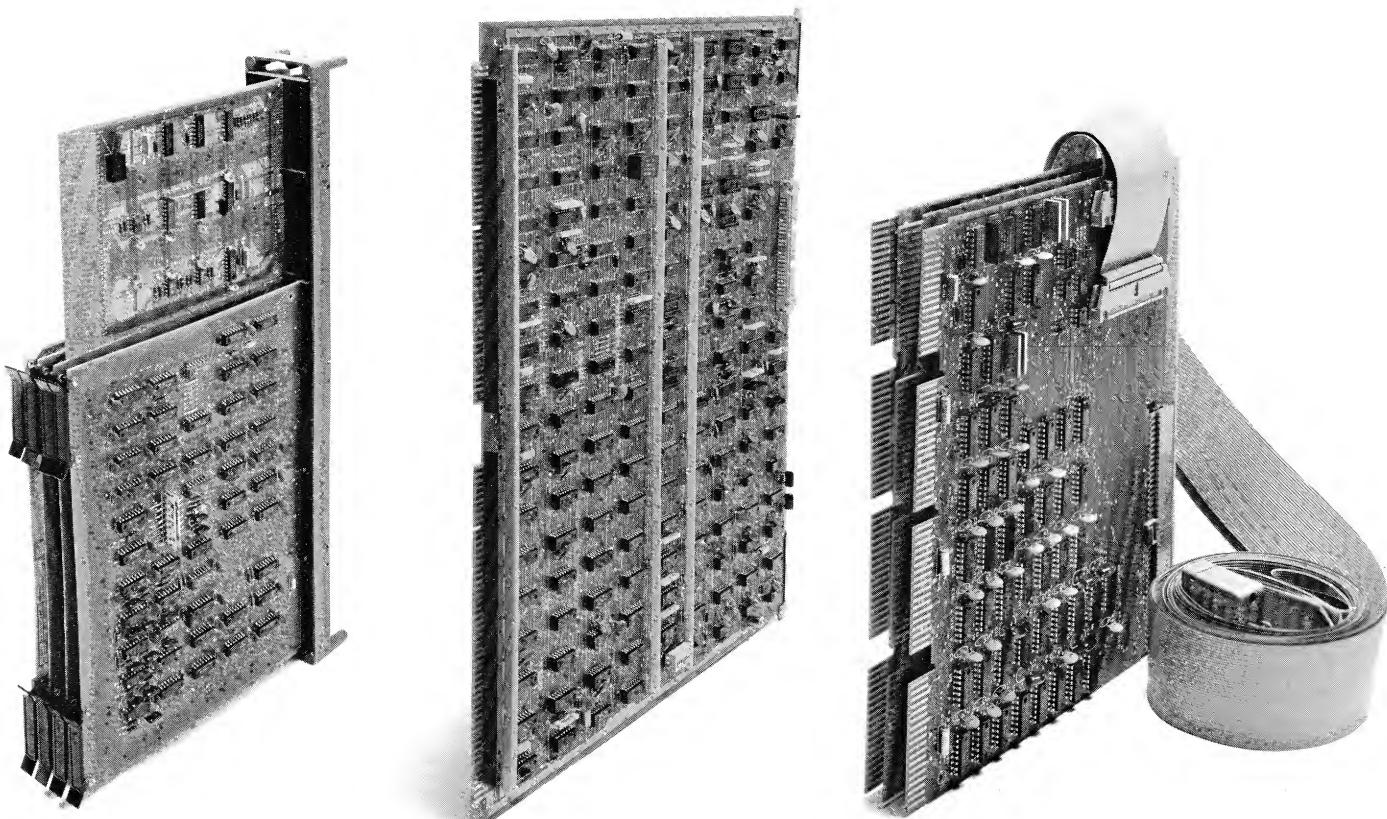
The key to the Plessey Disc System flexibility is the Plessey PM-DD Disc Drive. It is available in capacities of 2.5, 5 and 10 megabytes, for low cost fixed media drives or removable media drives. Media compatibility is achieved by using a 2315-type disc cartridge in drives with 2.5 and 5 megabyte capacities, a 5440-type disc cartridge in the 10 megabyte drive, and 2316-type pack in drives of 40 megabyte capacity. The PM-DD may be used with the Plessey PM-DC Controller or as an enhancement to existing disc systems.

With it, you can store up to four times the data in one-quarter of the space for a great deal less than with discs from DEC or Data General.

Besides increased capacity, the Plessey Disc Drive includes advanced electronic and mechanical design features that result in improved performance, extremely reliable operation and an MTBF in excess of 5,000 hours.

Disc speed and head positioning are precisely controlled to assure interchangeability of discs between drives. "Fail-safe" circuitry protects the heads and discs and prevents incorrect writing or inadvertent erasure. And the entire package is continuously purged by a 35 CFM clean air package.

It all adds up to a great deal more capacity, performance and reliability for a great deal less than equivalent competitive drives. Call your nearest Plessey sales office to arrange for a demonstration.



PAPER TAPE FOR YOUR MINI OR MICRO

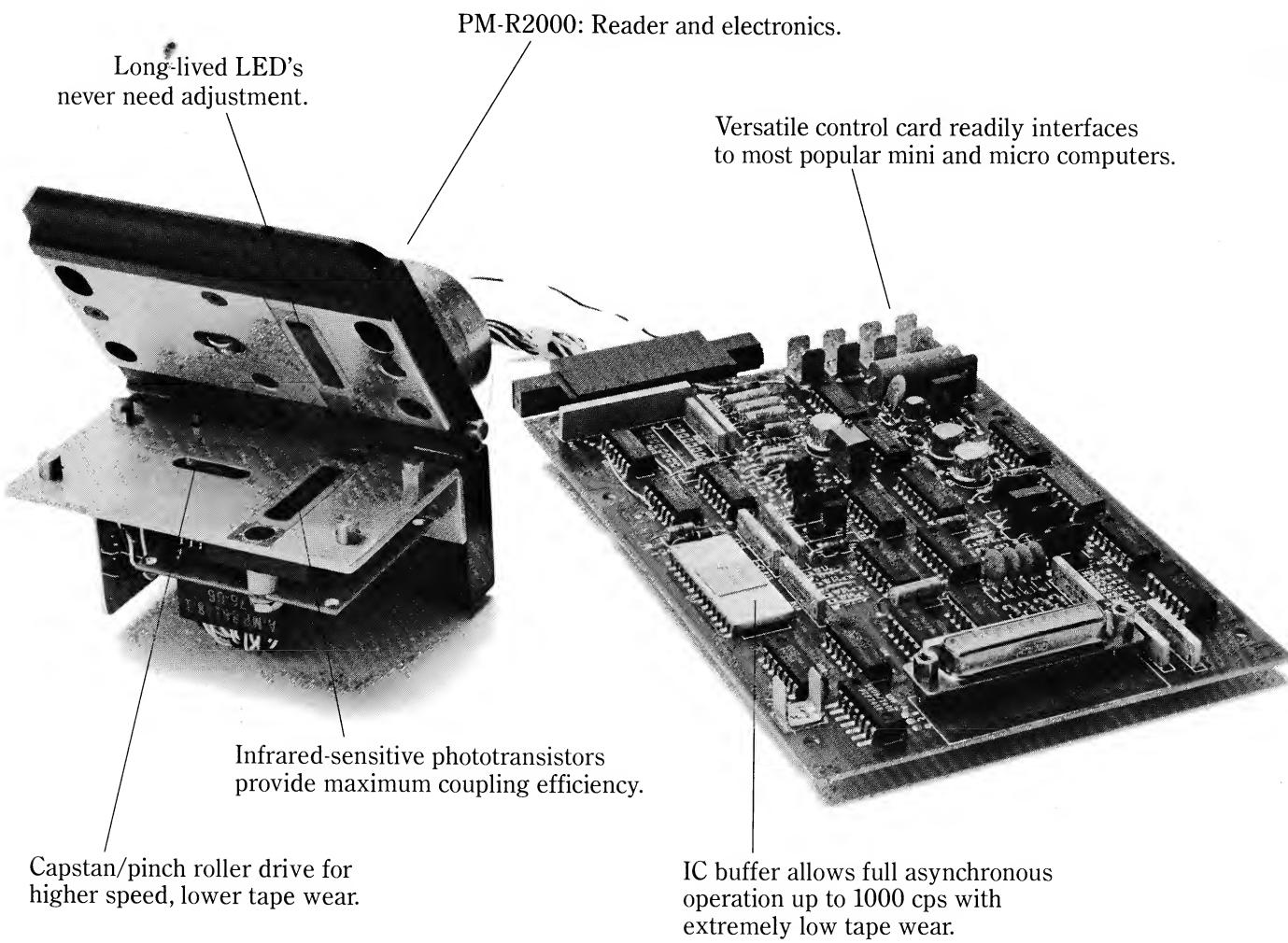
Plessey high-performance infrared readers and punches are ideal for any of your punched tape applications, OEM or end-user. Extremely versatile and reliable, they are easily interfaced to your computers and microprocessors, phototypesetters and NC controllers, test equipment and telecommunications systems.

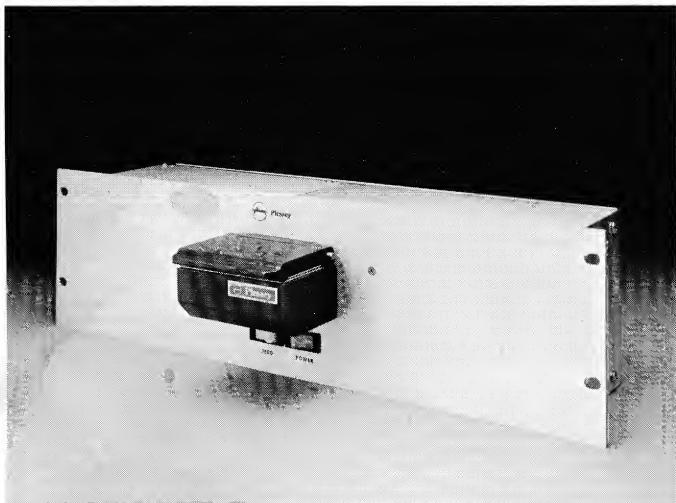
Our readers all use the new Plessey PM-R2000, a simple yet extremely versatile and sophisticated reader. It reads standard 6 or 8-level punched tapes at speeds up to 1000 characters per second over a broad range of transmissivity. A pinch roller/capstan

drive eliminates sprockets, steppers, gears and pulleys, permitting higher speeds with lower tape wear and higher reliability. Infrared optics are solid-state and never require adjustment. And because of our specially-designed buffer and control circuitry, a wide variety of low cost interface options are available.

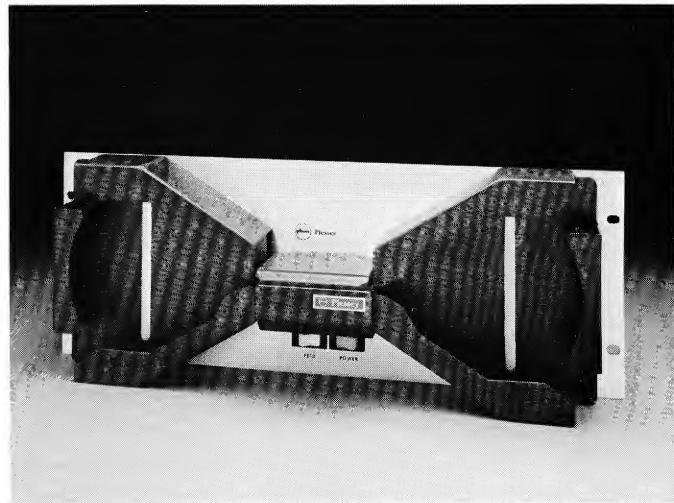
The PM-R2000 is available in a variety of reader configurations or as part of a series of reader/punch combinations. The punches will handle fanfold or reel tape, and are available in speeds of 35, 50, 75 and 120 cps.

For more details, applications assistance or a demonstration, contact your nearest Plessey sales office.

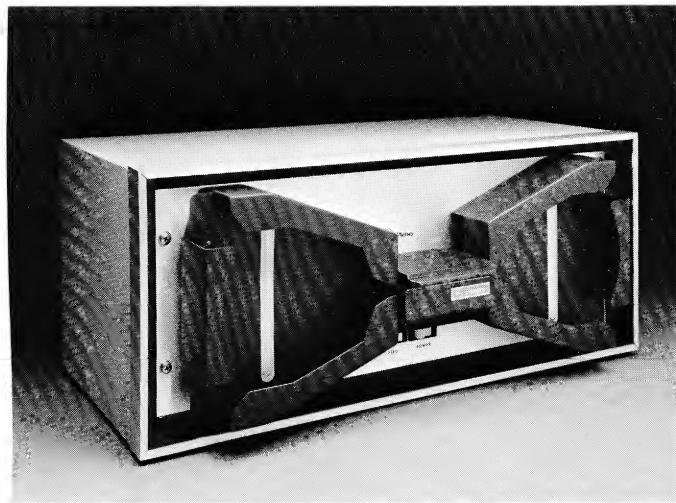




PM-R2100: Rack-mounted reader, complete with electronics and power supply.



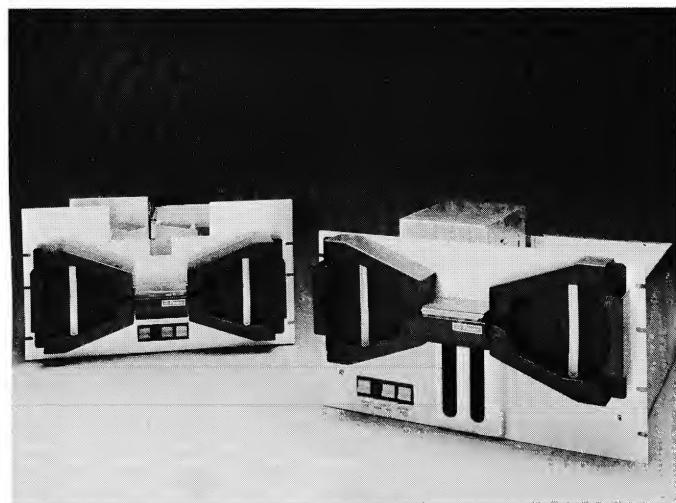
PM-R2110: Rack-mounted reader with fanfold handler, electronics and power supply.



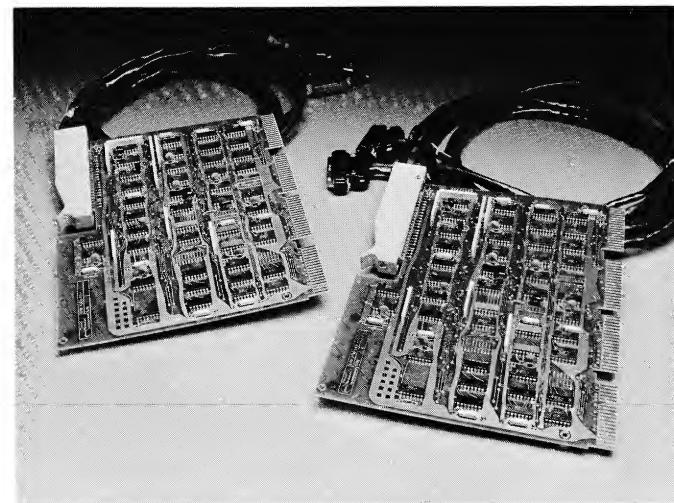
PM-R2120: Stand-alone reader with fanfold handler, electronics and power supply.



PM-R3000: Portable reader with fanfold handler, electronics and power supply.



PM-C4000/4010/4020/4030: Reader/punch combination, with tape transport, fanfold handler and punch (35, 50, 75 or 120cps).



PM-I100 Series: Interface controller cards for DEC, Data General and other computers and equipment.

NO HUSTLE, NO HASSLE

You can satisfy all your requirements for minicomputer memories, discs or punched tape equipment with high-performance, low-cost products from Plessey. Contact the nearest Plessey sales office for details or a demonstration.

Whatever you need, you're going to be impressed with what we can do for your minicomputer system.

And love what we can do for your budget.

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Plessey Microsystems

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OKAY, PLESSEY

Sounds good, now show me more.

I have a _____ Model _____ computer
and I'm interested in your Model _____:

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- Plug-in semiconductor memories
- Disc controllers
- Disc drives
- Infrared tape readers
- Reader/punch combos

My application is now within 6 months later.

I need literature a demonstration assistance—call me.

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